

Claims

1. Motor driven tool such as a pole hedge trimmer, a pole saw or the like comprising a drive unit (11) that via a shaft tube (12) enclosing a drive shaft and being provided
5 with a handle (16), is connected to a cutting unit (13) which is turnably secured to the shaft tube, **characterized in that** the turnable connection is under the influence of a locking mechanism (L) which from the normal working position of the operator can be released by means of a control means (M) arranged at a distance from the locking mechanism (L) and close to the handle (16).
- 10 2. Tool according to claim 1 **characterized in that** the locking mechanism (L) is connected to a rod (21,42,50) which is mainly parallel to the shaft tube and by means of which a turning or forward/backwards movement is transferred from the control means (M) to a locking means being a part of the locking mechanism (L) possibly via a gear transmission.
- 15 3. Tool according to claim 2 **characterized in that** the locking mechanism (L) comprises a brake mechanism which by means of a force creating means (34,48,62) in the non locked position of the cutting unit (13) creates a braking force against outer forces that influences the cutting unit.
4. Tool according to claim 2 **characterized in that** the control means (M) comprises a
20 turnable sleeve (17) surrounding the shaft tube or a lever (39) turnably arranged at the shaft tube and being directly or indirectly connected to the rod (21,42,50).
5. Tool according to any of the preceding claims **characterized in that** the locking mechanism (L) comprises a clamp means.
6. Tool according to claim 5 **characterized in that** the clamp means completely or
25 partly surrounds a shaft around which the cutting unit is turnable.
7. Tool according to claim 6 **characterized in that** the clamp means comprises a clamp ring (30) having two shoulders (29,31) or the like being under the influence of a spring loaded screw connection (32) one of the shoulders (29) being movable towards the other shoulder (31) by means of a lever (25) arranged to be acted on by
30 the control means (M) via a turning rod (23).
8. Tool according to claim 6 **characterized in that** the clamp means comprises a bearing housing (45) taking up said shaft and enclosing a brake pad (47) which is acted on by a turning rod (42) in order to lock the shaft in the bearing housing the brake pad being under the influence of a spring means (48).

9. Tool according to claim 7 **characterized in** that the spring characteristics of the spring means (48) is adjustable by means of a sleeve (44) which is threaded into the bearing housing (45) and having a through, threaded opening (43) through which the turning rod (42) extends and abuts the brake pad (47).
- 5 10. Tool according to claim 6 **characterized in** that the clamp means comprises a clamp ring (57) enclosing the shaft and having two shoulders (55,56) which are partly surrounded by a U-shaped clamp shoe (54) having one leg (52) with a through opening (51) through which a threaded turning rod (50) is inserted the opening being coaxial with a through opening (59,60) in each shoulder (55,56) and receiving
- 10 a spring loaded screw (60) arranged to be influenced by the other leg (53) the end of the screw (60) normally abutting the end of the turning rod (50).